

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 116 | (Warner.in. or Shin.in. or Wright.in.) and (quadrature with modulat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 14:39 |
| S3 | 32 | (Warner.in. or Shin.in. or Wright.in.) and (quadrature with modulat\$4) and switch and (phase with shift\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 14:40 |
| S4 | 26 | (Warner.in. or Shin.in. or Wright.in.) and (quadrature with modulat\$4) and switch and (phase with shift\$4) and oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 14:52 |
| S5 | 1477 | (modulat\$4) and (oscillator same ((shift\$4 or chang\$4) with phase)) and (switch same (sampl\$4 or modulat\$4)) and (demodulat\$4) and filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 15:03 |
| S6 | 514 | (quadrature with modulat\$4) and (oscillator same ((shift\$4 or chang\$4) with phase)) and (switch same (sampl\$4 or modulat\$4)) and (demodulat\$4) and filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 15:04 |
| S7 | 2771 | (modulat\$4 same quadrature) and (impulse adj1 response) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/02 15:11 |
| S8 | 2248 | (modulat\$4 same quadrature) and (impulse adj1 response same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/12/02 15:11 |
| S9 | 11 | ((("3,950,750") or ("4,003,054") or ("5,369,411") or ("5,381,108") or ("5,872,538")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:32 |
| S10 | 0 | "375." 295-315.ccls. and (modulat\$4 same quadrature) and (modulat\$4 same oscillator) and (oscillator same (shift\$4 with phase)) and (modulat\$4 same filter) and (demodulat\$4 same filter) and switch and (monitor\$4 with (baseband)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 10:58 |
| S11 | 5 | 375/295-315.ccls. and (modulat\$4 same quadrature) and (modulat\$4 same oscillator) and (oscillator same (shift\$4 with phase)) and (modulat\$4 same filter) and (demodulat\$4 same filter) and switch and (monitor\$4 with (baseband)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 11:03 |

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| S12 | 10 | (modulat\$4 same quadrature) and (modulat\$4 same oscillator) and (oscillator same (shift\$4 with phase)) and (modulat\$4 same filter) and (demodulat\$4 same filter) and switch and (monitor\$4 with (baseband)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 11:03 |
| S13 | 11 | (modulat\$4 same quadrature) and (modulat\$4 same oscillator) and (oscillator same (shift\$4 with phase)) and (modulat\$4 same filter) and (demodulat\$4 same filter) and switch and ((monitor\$4 or analyz\$4) with (baseband)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 11:06 |
| S14 | 100 | (modulat\$4 same quadrature) and (modulat\$4 same oscillator) and (oscillator same (shift\$4 with phase)) and (modulat\$4 same filter) and (demodulat\$4 same filter) and switch and ((monitor\$4 or analyz\$4) with (baseband or input)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 11:38 |
| S15 | 139 | (modulat\$4 same quadrature) and ((impulse adj1 response) same quadrature) and (demodulat\$4 same (impulse adj1 response)) and (convolution or (transfer adj1 function)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2004/12/03 11:42 |
| S16 | 0 | (moduat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 15:09 |
| S17 | 494 | (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:49 |
| S18 | 26 | (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) and (compensat\$4 with quadrature) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 15:16 |
| S19 | 6 | (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) and (quadrature with (impairment or imbalance)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 15:19 |

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| S20 | 77 | (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) and (quadrature with (noise)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 15:19 |
| S21 | 0 | (modulat\$4) and (impulse adj1 response) and (demdulat\$4) and (impulse adj1 response) and ((transfer adj1 function) with quadrature) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:44 |
| S22 | 0 | (modulat\$4) and (impulse adj1 response) and (demdulat\$4) and (impulse adj1 response) and ((transfer adj1 function) same quadrature) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:44 |
| S23 | 0 | (modulat\$4 same quadrature) and (impulse adj1 response) and (demdulat\$4) and (impulse adj1 response) and (transfer adj1 function) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:45 |
| S24 | 17 | 375/261.ccls. and (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 16:50 |
| S25 | 10 | 375/219.ccls. and (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 17:54 |
| S26 | 0 | 375/221.ccls. and (modulat\$4) and (filter same quadrature) and (modulat\$4 same oscillator) and switch and (oscillator same (shift\$4 with phase)) and (demodulat\$4 same filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/05 17:54 |